

Silicon Rubber, Polyurethane, Polyethylene, Polypropylene, Silicone, Ethenoid Resin or Polytetrafluoroethylene, which are enhanced by memory alloy fibre net or synthetic fibre net.

The open and retrieval string 2 or the open spring 3 can be made of the following materials: shape memory alloy wires or pieces, alloy spring steel or any other materials which can save the changed shape and return to the original or near the original shape when disentangled.

The orientation button 8 between the inner sheath 5 and the outer sheath 6 may fix or slack the relative position of the inner sheath 5 and outer sheath 6 in the way of concave-convex assorted structure, screw tighten structure and the eccentricity annulus fixation device.

It should be noted that the structure mentioned above in this invention can be replaced by any other structure sharing the same effects, and the examples introduced in this invention are not single structures that can be performed. Although the above examples are presented in this invention, it is to be understood by those who skilled in the art that numerous variations, improvements and substitutes may be effected without departing from the invention. Therefore, it should be define the range of protection according to the spirit and scope of the claims of this invention.

**What is claimed is:**

1. An easily retrieved biological specimen pouch comprising a flexible wall (1-1), an open end (1-2) and a closed end (1-3), and said specimen pouch (1) can receiving the biological specimen (9) therein;

A) said flexible wall of the open end of the specimen pouch has discontinuous serration (1-4);

B) on said serration (1-4), there are slots (1-5) through which an open and retrieval string (2) or an open spring (3) or a retrieval noose (4) can pass.

2. The biological specimen pouch according to claim 1, wherein said open and retrieval string (2) is made of any materials which can save the changed shape and return to the original or near the original shape when disentangled.

3. The biological specimen pouch according to claim 2, wherein said open and retrieval string (2) is made of the following materials: shape memory alloy wires or pieces or alloy spring steel.

4. The biological specimen pouch according to claim 1, wherein said open spring (3) is made of any materials which can save the changed shape and return to the original or near the original shape when disentangled.

5. The biological specimen pouch according to claim 4, wherein said open spring (3) is made of the following materials: shape memory alloy wires, shape memory alloy pieces and alloy spring steel.

6. The biological specimen pouch according to claim 1, wherein said retrieval noose (4) is made of the wires of macromolecule materials, compound materials or metal materials.

7. The biological specimen pouch according to claim 1, wherein said flexible wall (1-1) of the specimen pouch is made of the soft macromolecule materials or compound materials.

8. The biological specimen pouch according to claim 1, wherein said flexible wall (1-1) of the specimen pouch is made of the soft macromolecule materials or compound materials which are enhanced by metal net or synthetic fibre.

9. The biological specimen pouch according to claim 1, wherein said flexible wall (1-1) of the specimen pouch is made of the soft macromolecule materials or compound materials which are enhanced by memory alloy fibre net or synthetic fibre net.

10. The biological specimen pouch as claimed in any one of claims 7 to 9, wherein said soft macromolecule materials are selected from the following elastomer or polymer materials: Silicon Rubber, Polyurethane, Polyethylene, Polypropylene, Silicone, Ethenoid Resin and Polytetrafluoroethylene.

11. The biological specimen pouch according to claim 1, wherein said open and retrieval string (2) is connected to a distant end (5-1) of an inner sheath (5), and the specimen pouch (1) is installed in front of the distant end (5-1) of the inner sheath and inside a distant end (6-1) of an outer sheath (6).

12. The biological specimen pouch according to claim 1, wherein one end of the said open and retrieval string (2) is connected with a slipknot or slip block (7), a noose structure is formed when the other end passes through the slots (1-5) in the serration (1-4) of the open end in the specimen pouch and then the slipknot or slip block (7).

13. The biological specimen pouch according to claim 1, wherein said the relative position of the outer sheath (5) and inner sheath (6) is fixed by the orientation button (8).

14. The biological specimen pouch according to claim 1, wherein said open end (1-2) of the specimen pouch is colored distinctly from the biological specimen (9) observed under the endoscopic equipment.

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